

### Patent Claims

1. Device for disinfection of a milking component with at least one container for storing at least one disinfectant base material;  
at least one processing device with which, from at least one disinfectant base material, a disinfectant which contains chlorine dioxide can be prepared by chemical reaction;  
at least one guiding element with which the disinfectant can be brought into contact with at least one milking component essentially directly after preparation, in order to disinfect the milking component.
2. Device according to Claim 1, characterized by the fact that the milking component to be disinfected is a component which comes into direct contact with at least one part of the udder of the animal to be milked, during milking.
3. Device according to Claim 1 or 2, characterized by the fact that the milking component to be disinfected is taken from a group of components which include teat cups, udder- and teat-cleaning equipment, pre- and post-dipping devices and similar others.
4. Device according to Claim 1, 2 or 3, characterized by the fact that a disinfectant container is provided into which at least one milking component can be immersed, in order to make disinfection possible, essentially on all sides.
5. Device according to at least one of the previous claims, characterized by the fact that the milking component to be disinfected is a component which comes into contact with the milk of a milked animal.
6. Device according to at least one of the previous claims, characterized by the fact that the milking component is taken from a group of components which include teat rubber, teat cup, milk collecting components, milk lines, milk tubes, milk flowmeter, sensors for the determination of milk quality and flock and blood detectors, receiving containers, milk pumps, milk tanks and similar others.
7. Device according to at least one of the previous claims, characterized by the fact that the disinfectant can be circulated in a closed circuit.

8. Device according to at least one of the previous claims, characterized by the fact that the milking component to be disinfected is a component which comes into contact with an animal, whereby the component is taken from a group of components, which include animal watering troughs, as well as water lines to the animal troughs, feed troughs and calf drinking troughs and calf nipples, resting quarters, milking stations and milking robots.
9. Device according to at least one of the previous claims, characterized by the fact that the device is suitable for the milking of an animal and it includes at least one milk line, at least one vacuum line and at least one milking machine.
10. Device according to at least one of the previous claims, characterized by the fact that the disinfectant can be sprayed into the ambient air.
11. Device according to at least one of the previous claims, characterized by the fact that a control device is provided with which a disinfecting process can be controlled.
12. Device according to at least one of the previous claims, characterized by the fact that using the control device the intensity of disinfection can be controlled via at least one parameter.
13. Device according to the previous claim, characterized by the fact that the parameter is chosen from a group of parameters which includes an action time of the disinfectant and a temperature of the disinfectant and a concentration of the disinfectant and a composition of the disinfectant.
14. Device according to at least one of the previous claims, characterized by the fact that the control device emits a disinfection signal when a predetermined limiting value is reached.
15. Device according to the previous claim, characterized by the fact that the predetermined limiting value is reached when the number of milkings and/or the number of teat cleanings and/or a predetermined time has elapsed.

16. Device according to Claim 14 or 15, characterized by the fact that the control device emits a disinfection signal when an animal for which the possibility of disease exceeds a predetermined degree was milked or treated.
17. Device according to at least one of the previous Claims 14, 15 or 16, characterized by the fact that a disinfection process is performed when the control device emits a disinfection signal.
18. Device according to at least one of the previous claims, characterized by the fact that at least one disinfectant base material contains sodium chlorite or sodium chlorate.
19. Device according to at least one of the previous claims, characterized by the fact that at least one disinfectant base material is an essentially dry solid.
20. Device according to at least one of the previous claims, characterized by the fact that at least one disinfectant base material is in the powder form.
21. Device according to at least one of the previous claims, characterized by the fact that a first disinfectant base material and at least one second disinfectant base material is provided for the preparation of the disinfectant.
22. Device according to at least one of the previous claims, characterized by the fact that the at least the first disinfectant base material and the second disinfectant base material are stored separately from one another.
23. Device according to at least one of the previous claims, characterized by the fact that the first disinfectant base material and at least the second disinfectant base material are in the tablet form and are preferably essentially uniformly distributed in it.
24. Device according to at least one of the previous claims, characterized by the fact that the first disinfectant base material and the second disinfectant base material produce the disinfectant by chemical reaction.
25. Method for the disinfection of a milking component, characterized by the fact that a disinfectant is produced with at least one disinfectant base material by chemical

reaction, the disinfectant containing chlorine dioxide, whereby the milking component is disinfected with the disinfectant.

26. Method according to the previous claim, characterized by the fact that an exposure time and/or a temperature and/or a concentration is controlled.
27. Method according to Claim 25 or 26, characterized by the fact that after the ending of the disinfection process, the excess disinfectant is discharged.